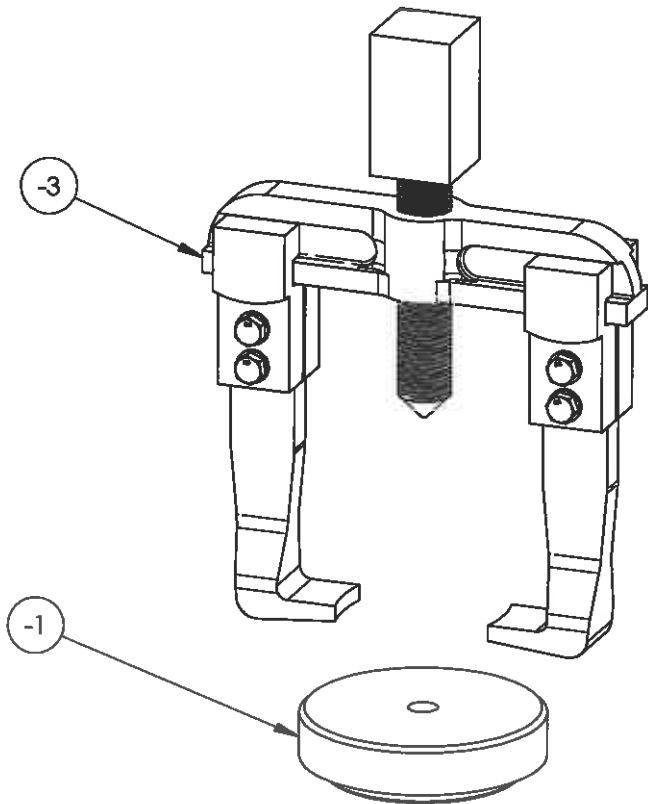


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REVISIONS					
REV	ECN	DESCRIPTION	DATE	INITIAL	APPROVED
A	18-844	RELEASED FOR PRODUCTION	03/12/2018	KPT	

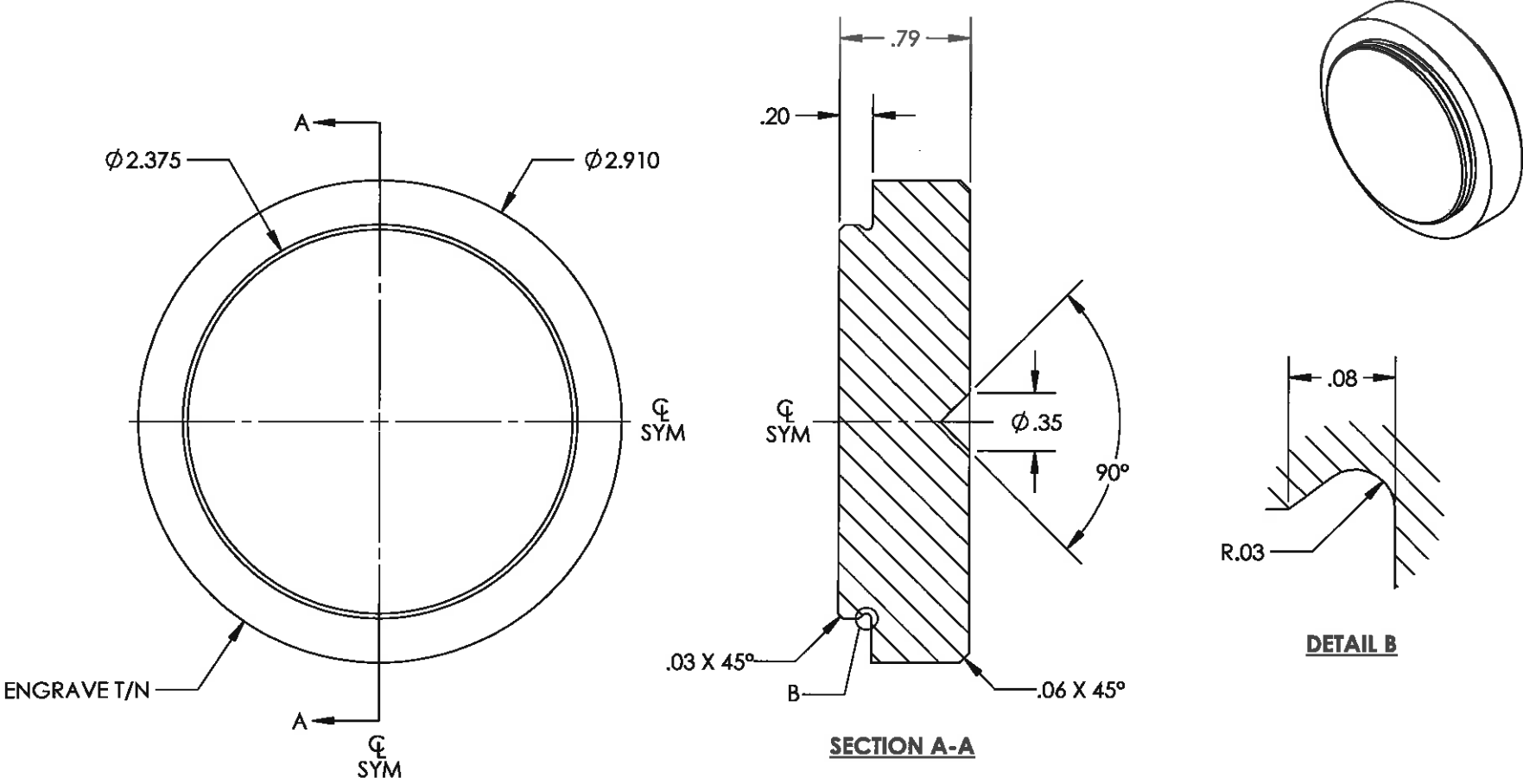


NOTE:
REF. EUROCOPTER T/N: 105-14181W3.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	SUPPORT	6061		2
	X		-3	1	EXTRACTOR ASSEMBLY			3
	1		-5		EXTRACTOR BAR	4140/4142 (28-32 RC)		4
	1		-7		SPINDLE	4140/4142 (28-32 RC)		5
	2		-9		EXTRACTOR JAW	4140/4142 (28-32 RC)		6
	4		-11		EXTRACTOR JAW CLAMP	4140/4142 (28-32 RC)		7
	4	B/O	-13		HEX HEAD CAP SCREW	STEEL	M5 X 0.8 X 35mm (MCMASTER-CARR #91280A240)	3
	8	B/O	-15		WASHER	STEEL	M5 (MCMASTER-CARR #91166A240)	3
	4	B/O	-17		HEX LOCKNUT	STEEL	M5 X 0.8mm (MCMASTER-CARR #90576A104)	3
	ASSY -3							

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W3	REV A
MAT'L 4140/4142 (28-32 RC)	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT Q&T	XXX ± .005 FRACTIONS ± 1/8
FINISH Q&T	XX ± .01 ANGLES ± 5°
SPEC Q&T	X ± .1 SURFACES = 125°
DRAWN BY: <i>[Signature]</i>	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: <i>[Signature]</i>	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: <i>[Signature]</i>	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: <i>[Signature]</i>	USED ON MODEL
APPROVED: <i>[Signature]</i>	EC145
SCALE N/A	DATE 03/12/2018
SHEET 1 OF 7	

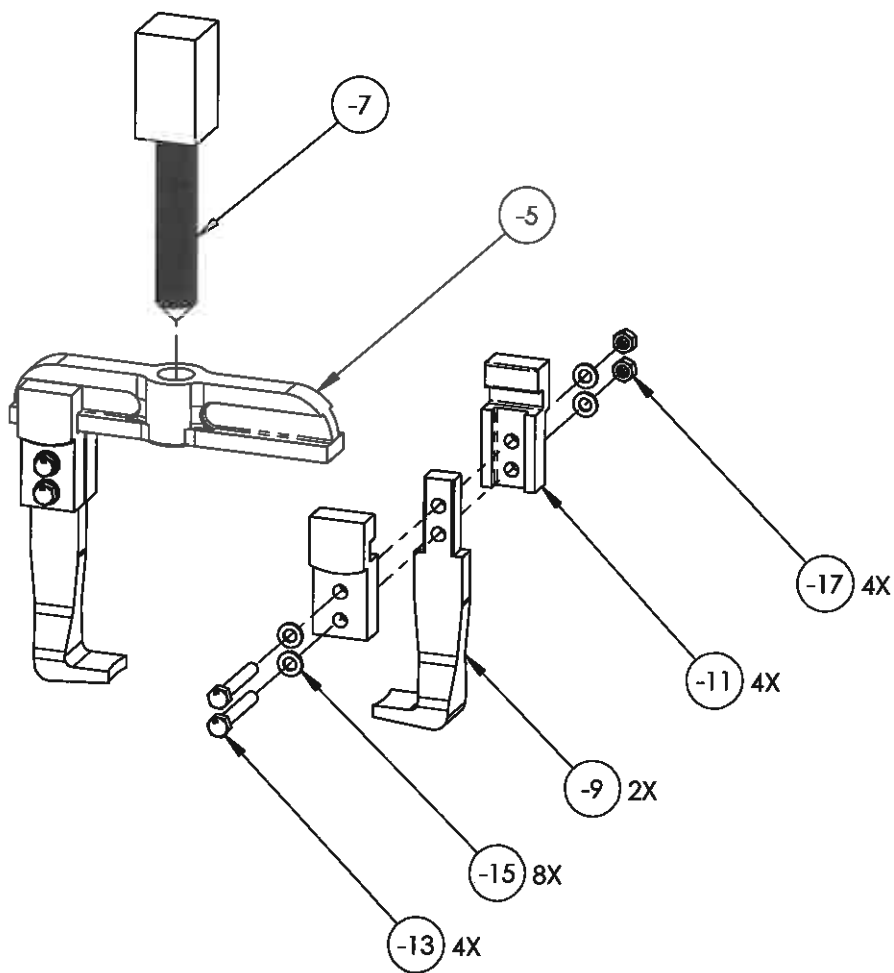
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①
SUPPORT

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W3-1	REV A
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	XXX \pm .005 FRACTIONS \pm 1/8
FINISH CLEAR ANODIZE	XX \pm .01 ANGLES \pm 5°
SPEC MIL-A-8625 TYPE 2, CLASS 1	X \pm .1 SURFACES = 125
DRAWN BY: <i>DP</i>	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: <i>DP</i>	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPP'S APPR: <i>DP</i>	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: <i>DP</i>	USED ON MODEL
APPROVED: <i>DP</i>	EC145
SCALE N/A	DATE 03/12/2018
SHEET 2 OF 7	

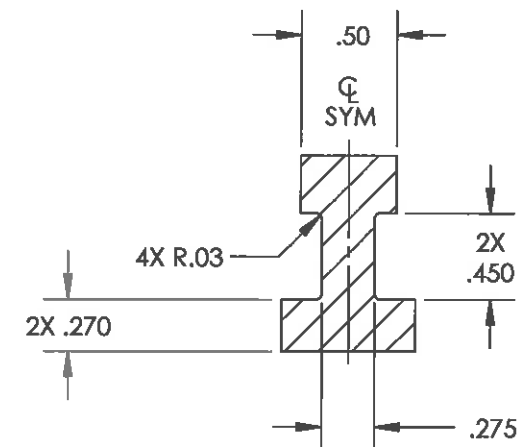
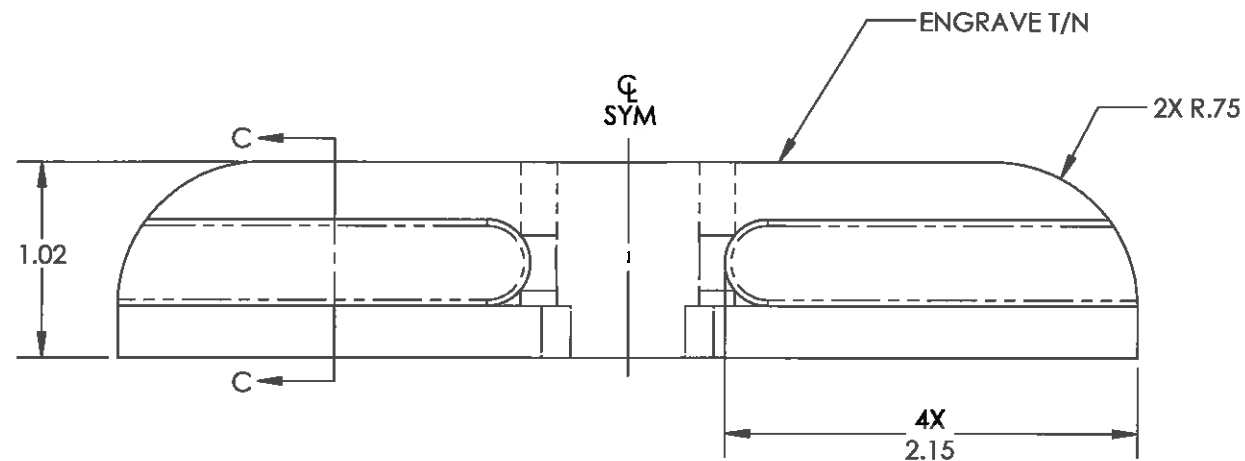
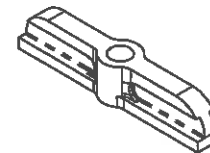
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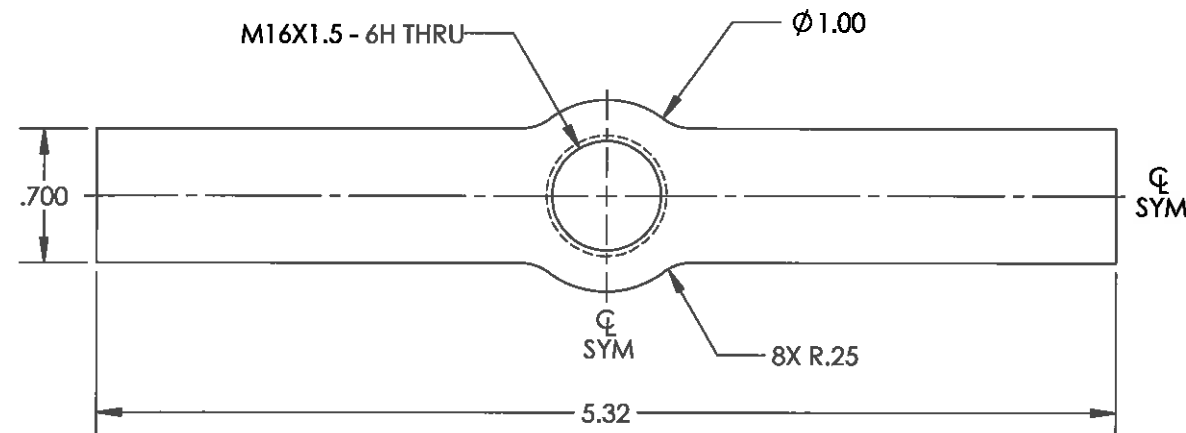
③
EXTRACTOR ASSEMBLY

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W3-3	REV A
<div style="display: flex; justify-content: space-between;"><div>MAT'L TREAT FINISH SPEC</div><div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° X ± .1 SURFACES = 125°</div></div>	
1. BREAK ALL SHARP EDGES .015 x 45° OR .01SR	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: <i>DP</i>	USED ON MODEL
CHECKED: <i>DP</i>	EC145
OPPS APPR: <i>DP</i>	
QA APPR: <i>DP</i>	
APPROVED: <i>DP</i>	
SCALE N/A	DATE 03/12/2018 SHEET 3 OF 7

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SECTION C-C
2 PLACES



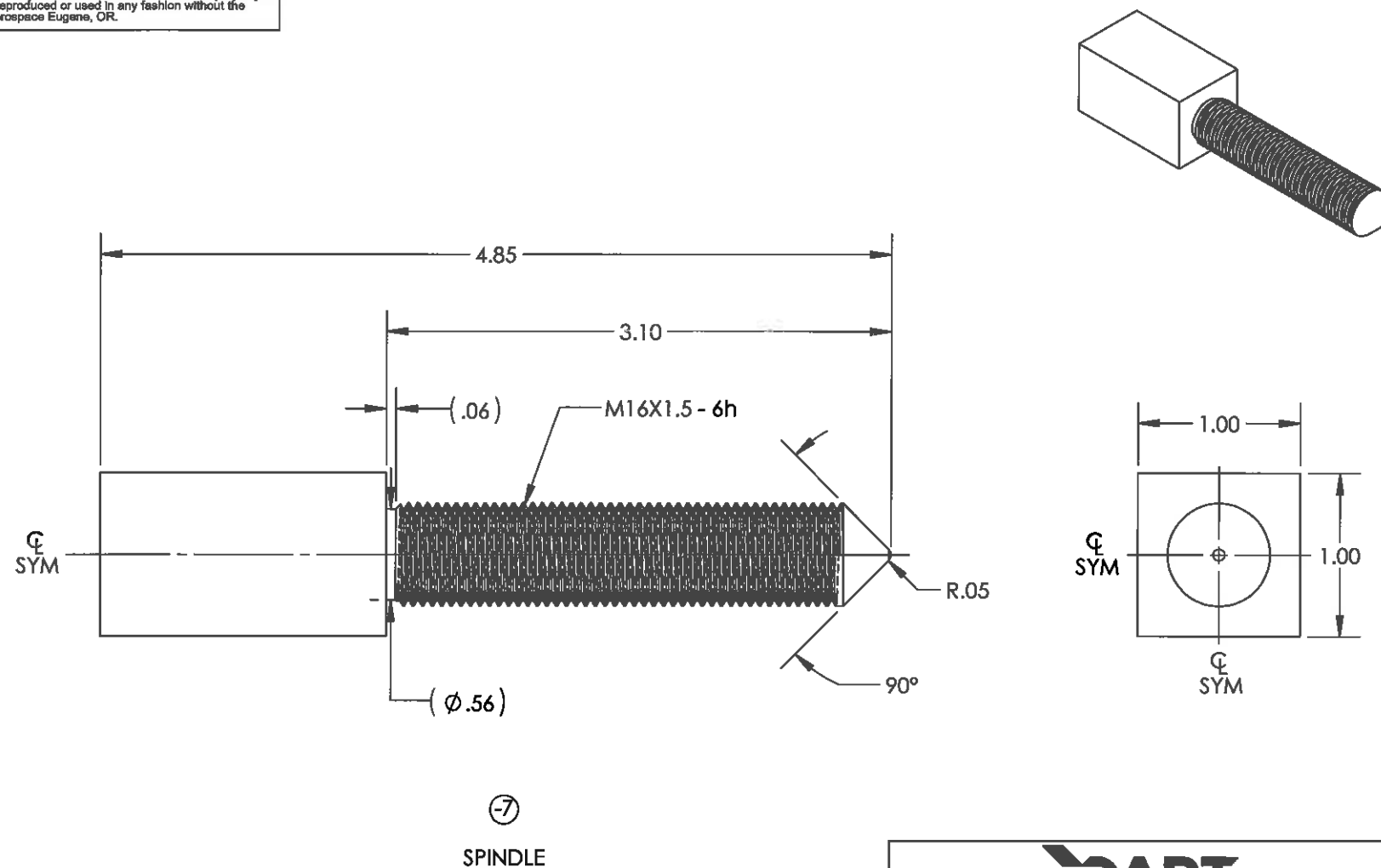
⑤
EXTRACTOR BAR

DART
AEROSPACE

TITLE		
EXTRACTOR		
DWG NO.	REV	
RBE105-14181W3-5	A	
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES XXX ± .005 FRACTIONS ± 1/8 XX ± .01 ANGLES ± .5° X ± .1 SURFACES = 125°	
HEAT TREAT 35-40 RC		
FINISH BLACK OXIDE		
SPEC SEE NOTE		
DRAWN BY: [Signature]	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
CHECKED: [Signature]		
OPPS APPR: [Signature]		
QA APPR: [Signature]	USED ON MODEL	
APPROVED: [Signature]	EC145	
SCALE N/A	DATE 03/12/2018	SHEET 4 OF 7

NOTE:
BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF
OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III
OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS

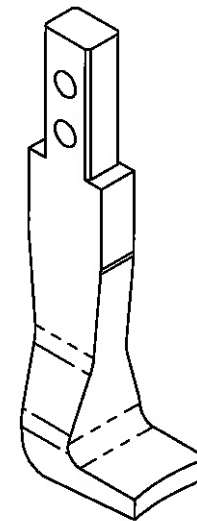
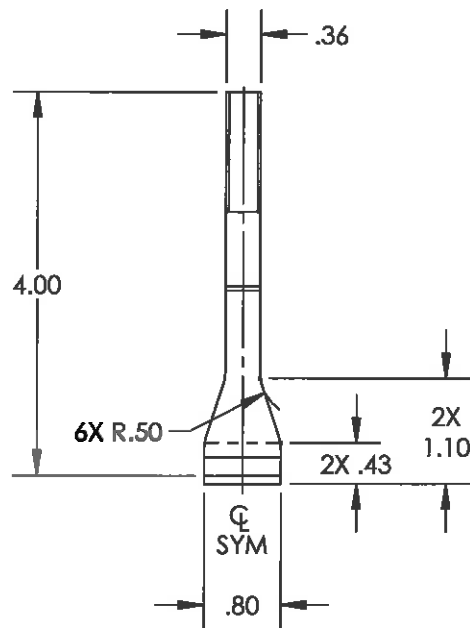
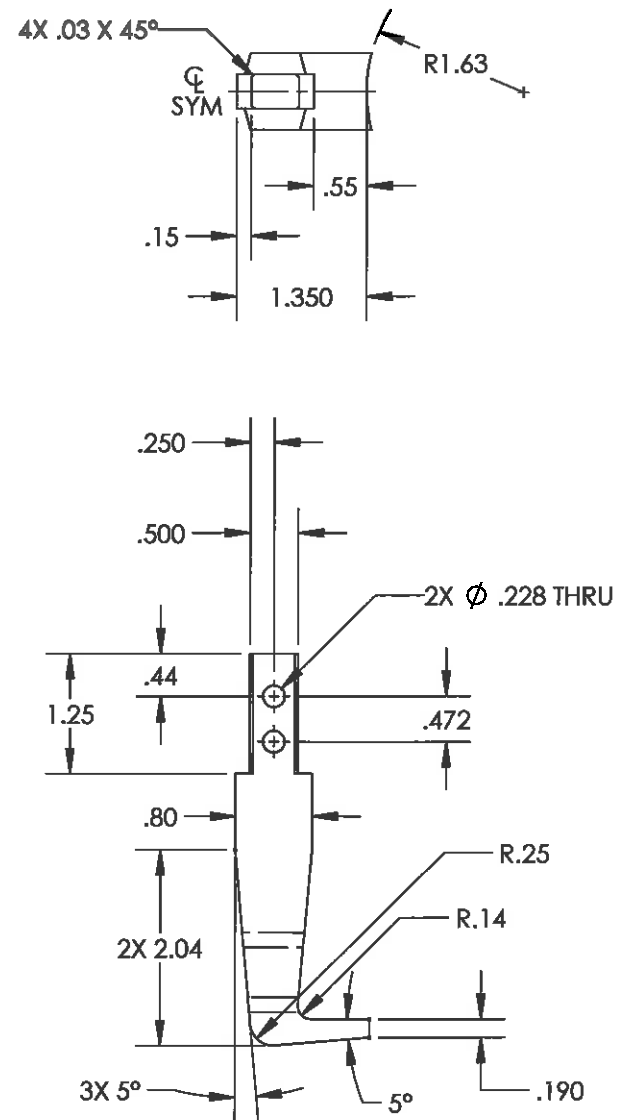
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NOTE:
BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF
OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III
OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W3-7	REV A
MAT'L 4140/4142 HEAT 35-40 RC FINISH BLACK OXIDE SPEC SEE NOTE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES XXX ± .005 FRACTIONS ± 1/8 XX ± .01 ANGLES ± 5° X ± .1 SURFACES = 125/✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DRAWN BY: [Signature] CHECKED: [Signature] OPPS APPR: [Signature] QA APPR: [Signature] APPROVED: [Signature]	USED ON MODEL EC145
SCALE N/A	DATE 03/12/2018 SHEET 5 OF 7

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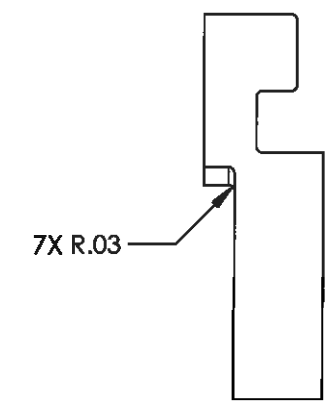
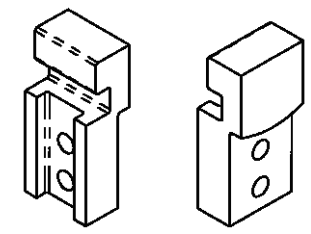
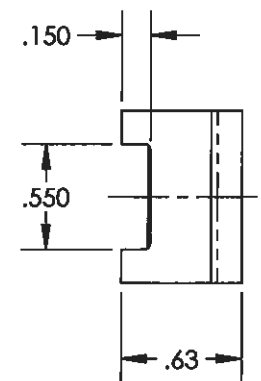
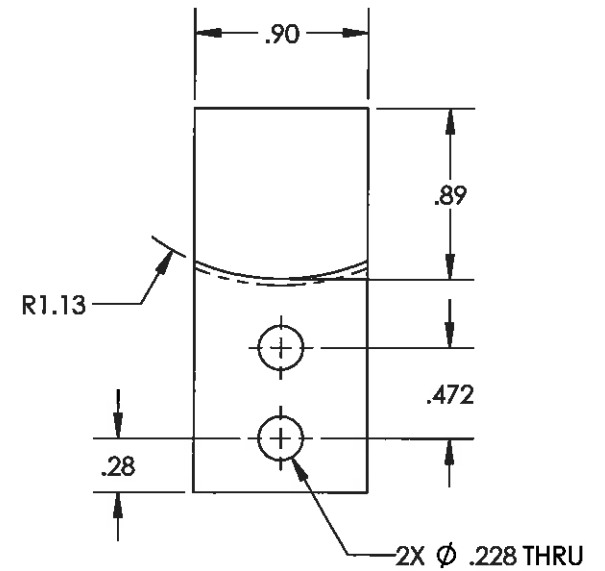
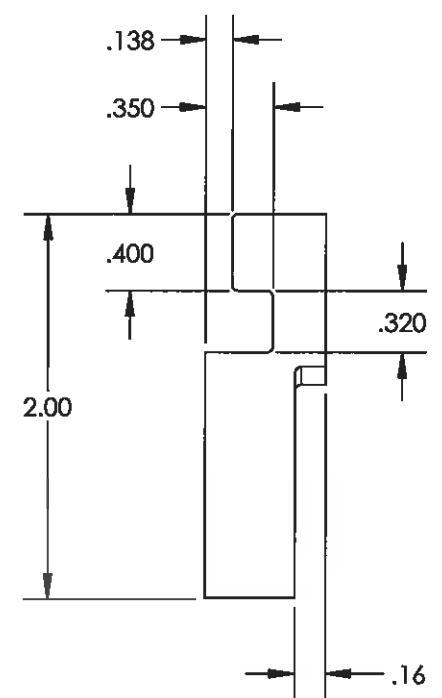


NOTE:
BLACK OXIDE PER MIL-C-13924 CLASS 1
THEN APPLY A THIN LAYER OF OIL / CPC PER
MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-
81309 TYPE III OR MIL-C-23411A OR MIL-PRF-
81309 AND WIPE OFF EXCESS

⑨
EXTRACTOR JAW

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W3-9	REV A
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT 35-40 RC	.XXX ± .005 FRACTIONS ± 1/8
FINISH BLACK OXIDE	.XX ± .01 ANGLES ± .5°
SPEC SEE NOTE	.X ± .1 SURFACES = 125
DRAWN BY: [Signature]	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: [Signature]	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: [Signature]	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: [Signature]	USED ON MODEL
APPROVED: [Signature]	EC145
SCALE N/A	DATE 03/12/2018
SHEET 6 OF 7	

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NOTE:
BLACK OXIDE PER MIL-C-13924 CLASS 1
THEN APPLY A THIN LAYER OF OIL / CPC PER
MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-
81309 TYPE III OR MIL-C-23411A OR MIL-PRF-
81309 AND WIPE OFF EXCESS

-11
EXTRACTOR JAW CLAMP

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W3-11	REV A
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT 35-40 RC	XXX ± .005 FRACTIONS ± 1/8
FINISH BLACK OXIDE	XX ± .01 ANGLES ± 5°
SPEC SEE NOTE	X ± .1 SURFACES = 125
DRAWN BY: [Signature]	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: [Signature]	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: [Signature]	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: [Signature]	USED ON MODEL
APPROVED: [Signature]	EC145
SCALE N/A	DATE 03/12/2018
SHEET 7 OF 7	